

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: T. KAMANO, et al

Serial No.: Not yet assigned

Filed: April 21, 2004

For: METHOD AND APPARATUS FOR CONTROLLING ACCESS TO  
STORAGE DEVICE

Group: 2187

Examiner: N. Dinh

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.97 & 1.98**

Commissioner for Patents  
Washington, D.C. 20231

April 21, 2004

Sir:

In the matter of the above-identified application, this Information Disclosure Statement is being submitted with the following citation as specified in 37 CFR §1.97(d).

"A copy of any patent, publication or other information listed in an Information Disclosure Statement is not required to be provided if it was previously cited by or submitted to the Office in a prior application, provided that the prior application is properly identified in the statement and relied upon for an earlier filing date under 35 U.S.C. §120."

Applicant(s) are submitting herewith a copy of Form PTO-1449 which list documents cited in parent application(s) Serial No. 10/425,915, filed April 30, 2003; Serial No. 09/764,286, filed January 19, 2001, now U.S. Patent No.

6,606,695 and is related to U. S. application Serial No. 09/085,864, filed May 28, 1998.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus Deposit Account No. 01-2135 (500.39520CX2) please credit any excess fees to such deposit account.

Respectfully submitted,



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**FORM PTO-1449** U.S. Department of  
Commerce (Rev. 4/92) Patent and Trademark  
Office

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

**500.39520CX2**

SERIAL NO.

**Not yet assigned**

APPLICANT

**T. KAMANO, et al**

FILING DATE

**April 21, 2004**

GROUP

**2187**

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6 2 6 3 4 4 5	7/01	Blumenau			
	6 3 4 3 3 2 4	1/02	Hubis et al			
	6 3 5 6 9 7 9	3/02	Sicola et al			
	6 3 8 9 4 3 2	5/02	Pothapragada et al			
	6 4 2 1 7 1 1	7/02	Blumenau et al			
	6 5 0 2 1 6 2	12/02	Blumenau et al			
	6 5 2 3 0 9 6	2/03	Sanada et al			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	"Performance Efficient Multiple Logical Unit Number Mapping for Redundant Array of Independent Disks", IBM Technical Disclosure Bulletin, May 1996, pp. 273-274
	J. Wilkes, et al, "The HP AutoRAID Hierarchical Storage System", ACM Transactions on Computer System, vol. 14, No. 1, Feb. 1996, pp. 108-136
	E. Lee, et al "Petal: Distributed Virtual Disks", Systems Research Center, Digital Equipment Corp., ASPLOS, VII 10/96, pp. 84-92.

EXAMINER

DATE CONSIDERED

**EXAMINER:** Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

<b>FORM PTO-1449</b> U.S. Department of Commerce (Rev. 4/92) Patent and Trademark Office  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.
	500.39520CX2	Not yet assigned
	APPLICANT T. KAMANO, et al	
	FILING DATE April 21, 2004	GROUP 2187

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6 5 3 8 6 6 9	3/03	Lagueux, Jr. et al			
	6 5 5 3 4 0 8	4/03	Merrell et al			
	6 5 7 1 3 5 4	5/03	Parks et al			
	6 5 9 8 1 7 4	7/03	Parks et al			
	6 6 0 9 1 8 0	8/03	Sanada et al			
	6 6 3 3 9 6 2	10/03	Burton et al			
	6 6 4 0 2 7 8	10/03	Nolan et al			
	6 6 4 3 7 4 8	11/03	Wieland			
	6 6 5 4 8 3 0	11/03	Taylor et al			
	6 6 6 5 7 1 4	12/03	Blumenau et al			
	6 6 0 6 6 9 5	8/03	Kamano et al			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


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	6 4 4 6 1 4 1	9/02	Nolan et al			
	6 4 8 4 2 2 9	11/02	Ichikawa et al			
2 0 0 1	0 0 2 0 2 5 4	9/01	Blumenau et al			
	6 6 8 4 2 0 9	1/04	Ito et al	707	9	
	6 2 9 5 5 7 5	9/01	Blumenau et al	711	5	

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